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152
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B.F. Goodrich

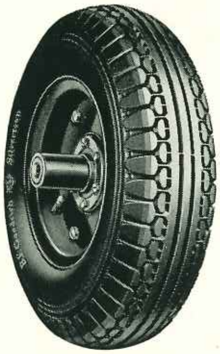
TIRE ENGINEERING DATA

U.S. PATENT OFFICE
APR 15 1954
DIV. 45 PAPER NO.

INDUSTRIAL TIRES

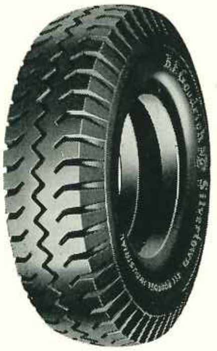
OCTOBER - 1952

SILVERTOWN INDUSTRIAL PNEUMATIC TIRES



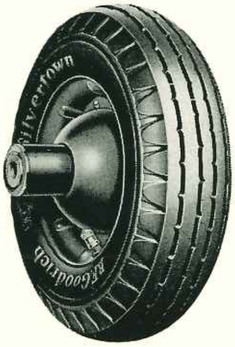
EXPRESS

Designed for all types of wheelbarrows and other materials handling equipment. May be used either on drive, free-rolling or trailer wheels. Pay for themselves quickly through savings in power, time, labor, floor wear, reduced noise, reduced breakage, reduced equipment maintenance, and increased safety.



ALL PURPOSE

A heavy duty industrial pneumatic tire designed for rugged service on all types of materials handling units. An exceptionally good tire for use on heavy and medium duty power trucks and tractors, motor scooters and trailers.



RIBBED - NOTCHED

The ribbed-notched tire requires no inner tube. It is recommended for light and medium service in potteries, greenhouses, department stores, gardening, landscaping, and other similar types of service requiring a long wearing tire.

SILVERTOWN INDUSTRIAL PNEUMATIC TIRE DIMENSIONS

ALL PURPOSE INDUSTRIAL DESIGN & 4.00-8 EXPRESS DESIGN

Size of Tire	Ply Rating	Size of Rim	INFLATED DIMENSIONS INCHES			Max. Rated Load Lbs.	Inflation Pressure Lbs. per Sq. In.	LOADED DIMENSIONS INCHES		WEIGHT		
			Section Width	Over-all Diameter	Tread Width			Loaded Section Width	Static Loaded Radius	Tire	Tube	Tire and Tube
MAXIMUM SPEED 5 MILES PER HOUR												
*4.00-8	2	2.50C	4.20	16.20	3.15	575	35	4.60	7.35	4.40	1.60	6.00
*4.00-8	4	2.50C	4.20	16.20	3.15	865	70	4.60	7.35	6.20	1.60	7.80
4.00-8	4	2.50C	4.20	16.50	3.15	865	70	4.60	7.35	6.20	1.60	7.80
4.00-8	6	2.50C	4.20	16.55	3.15	1090	100	4.60	7.70	6.80	1.60	8.40
4.00-12	4	3.00D	4.40	20.55	3.15	1150	70	4.80	9.60	8.30	1.70	10.00
**4.00-18	2	3.00D	4.40	26.90	3.75	1050	35	5.00	12.50	9.90	2.20	12.10
5.00-8	4	3.00D	5.30	18.30	3.85	1150	60	5.65	8.40	8.30	1.80	10.10
5.00-8	6	3.00D	5.35	18.30	3.85	1460	90	5.60	8.40	9.10	1.80	10.90
6.00-9	4	4.00E	6.30	21.25	4.60	1530	50	6.85	9.60	11.90	2.80	14.70
6.00-9	6	4.00E	6.30	21.25	4.60	1860	70	6.70	9.70	12.90	2.80	15.70
6.00-9	8	4.00E	6.35	21.25	4.55	2220	95	6.80	9.70	‡18.30	2.80	21.10
6.00-9	10	4.00E	6.35	21.25	4.55	2290	100	6.75	9.70	‡21.10	2.80	23.90
6.50-10	10	5.00F	6.90	23.25	4.90	2770	100	7.25	10.70	‡27.00	3.80	30.80
7.50-10	10	5.50F	8.10	25.55	5.70	3520	95	8.50	11.70	‡33.70	3.50	37.20
7.50-10	12	5.50F	8.10	25.55	5.70	3630	100	8.50	11.85	‡39.10	3.50	42.60
7.50-10 (Nylon)	14	5.50F	8.10	25.70	5.70	3620	100	8.50	11.75	‡41.90	3.50	45.40
7.00-12	12	†5.00S	7.45	26.00	5.60	3770	100	7.90	11.95	‡39.20	4.60	43.80
8.25-12	12	†6.5	8.80	28.90	6.00	5090	100	9.70	13.10	‡50.80	5.60	56.40
7.50-15	10	††6.0	7.70	30.10	5.40	4510	95	8.70	13.60	‡49.00	5.00	54.00
8.25-15	12	††6.5	9.20	33.10	5.80	5845	100	10.10	14.90	‡72.40	6.20	78.60
MAXIMUM SPEED 10 MILES PER HOUR												
*4.00-8	2	2.50C	4.20	16.20	3.15	470	30	4.55	7.35	4.40	1.60	6.00
*4.00-8	4	2.50C	4.20	16.20	3.15	740	65	4.55	7.35	6.20	1.60	7.80
4.00-8	4	2.50C	4.20	16.50	3.15	740	65	4.55	7.35	6.20	1.60	7.80
4.00-8	6	2.50C	4.20	16.55	3.15	950	100	4.55	7.70	6.80	1.60	8.40
4.00-12	4	3.00D	4.40	20.55	3.15	980	65	4.75	9.60	8.30	1.70	10.00
**4.00-18	2	3.00D	4.40	26.90	3.75	855	30	5.00	12.50	9.90	2.20	12.10
5.00-8	4	3.00D	5.30	18.30	3.85	950	55	5.60	8.45	8.30	1.80	10.10
5.00-8	6	3.00D	5.35	18.30	3.85	1180	80	5.60	8.45	9.10	1.80	10.90
6.00-9	4	4.00E	6.30	21.25	4.60	1250	45	6.85	9.65	11.90	2.80	14.70
6.00-9	6	4.00E	6.30	21.25	4.60	1550	65	6.75	9.75	12.90	2.80	15.70
6.00-9	8	4.00E	6.35	21.25	4.55	1810	85	6.70	9.80	‡18.30	2.80	21.10
6.00-9	10	4.00E	6.35	21.25	4.55	1990	100	6.70	9.80	‡21.10	2.80	23.90
6.50-10	10	5.00F	6.90	23.25	4.90	2410	100	7.20	10.85	‡27.00	3.80	30.80
7.50-10	10	5.50F	8.10	25.55	5.70	2860	85	8.45	11.75	‡33.70	3.50	37.20
7.50-10	12	5.50F	8.10	25.55	5.70	3140	100	8.40	11.75	‡39.10	3.50	42.60
7.50-10 (Nylon)	14	5.50F	8.10	25.70	5.70	3140	100	8.40	11.85	‡41.90	3.50	45.40
7.00-12	12	†5.00S	7.45	26.00	5.60	3280	100	7.80	12.05	‡39.20	4.60	43.80
8.25-12	12	†6.5	8.80	28.90	6.00	4420	100	9.70	13.10	‡50.80	5.60	56.40
7.50-15	10	††6.0	7.70	30.10	5.40	3900	85	8.50	13.80	‡49.00	5.00	54.00
8.25-15	12	††6.5	9.20	33.10	5.80	5075	100	10.10	14.90	‡72.40	6.20	78.60

*Express Industrial Tread. **Grooved Tread. †Flat base requires use of 12-M Flaps. ††Flat base requires use of 15-M Flaps. ‡Includes Flaps.

RIBBED-NOTCHED WHEELBARROW TIRE DIMENSIONS

Size of Tire	Ply Rating	Size of Rim	INFLATED DIMENSIONS INCHES			Max. Rated Load Lbs.	Inflation Pressure Lbs. per Sq. In.	LOADED DIMENSIONS INCHES		WEIGHT		
			Section Width	Over-all Diameter	Tread Width			Loaded Section Width	Static Loaded Radius	Tire	Tube	Tire and Tube
10x2.75	2	Lug Base	2.80	9.60	2.15	200	35	3.00	4.25	1.91	(Single Tube)	

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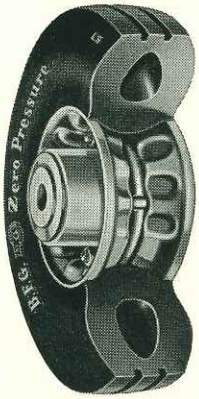
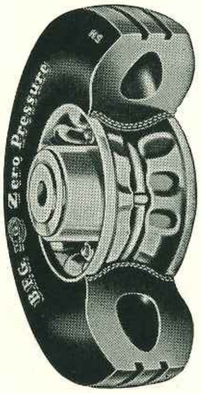
BFG ZERO PRESSURE INDUSTRIAL TIRES

FOR HAND TRUCKS, LIGHT TRAILERS, DOLLIES, WHEELBARROWS AND OTHER TYPES OF MATERIALS HANDLING EQUIPMENT ALSO FOR AGRICULTURAL IMPLEMENTS



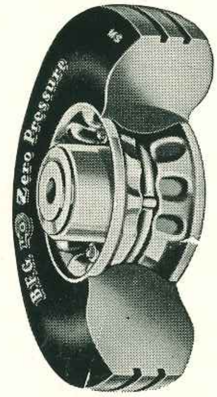
LIGHT SERVICE (LS)

Special compound — hollow center — no fabric base. Ideally suited for light service where cushioning and not load is a major requirement.



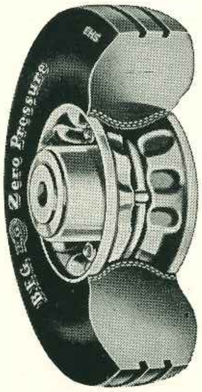
HEAVY SERVICE (HS)

Quality compound — hollow center and fabric base. Recommended for "all around" good service.



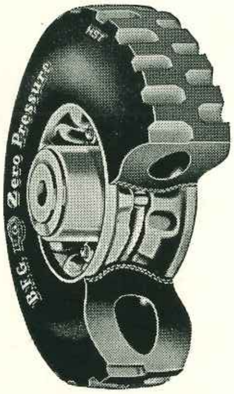
MEDIUM SERVICE (MS)

Same as Light Service, except — no center cavity. This tire has greater load capacity than Light Service.



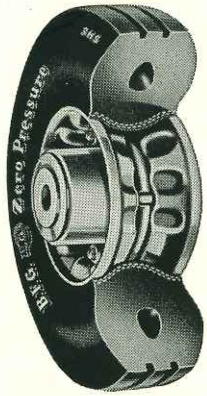
EXTRA HEAVY SERVICE (EHS)

Same as Heavy Service except — no center cavity. This construction places emphasis on carrying capacity with a corresponding reduction in cushioning.



HEAVY SERVICE TRACTION (HST)

Same as Heavy Service except — non-skid tread instead of ribbed. Recommended where traction is a major requirement.



SPECIAL HEAVY SERVICE (SHS)

Same as Heavy Service except — smaller center cavity. Specifically designed for power truck service.

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EXTRA HEAVY SERVICE TRACTION (EHST)

Same construction as EHS and same tread design as HST

"THEY CAN'T GO FLAT"

BFG ZERO PRESSURE TIRE DIMENSIONS

MAXIMUM SPEED 10 MILES PER HOUR

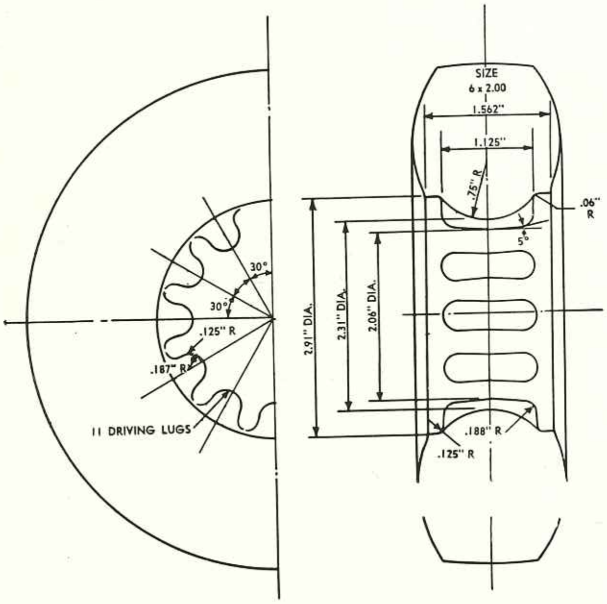
Size of Tire	Max. Rated Load Lbs.	DIMENSIONS — INCHES				Weight of Tire
		Section Width	Tread Width	Over-all Diameter	Static Loaded Radius	
EXTRA LIGHT SERVICE — (ELS)						
12 x 3.00	75	2.90	2.00	12.15	5.74	6.00
LIGHT SERVICE — (LS)						
6 x 2.00	90	1.80	1.20	6.19	2.88	1.63
8 x 2.00	110	1.80	1.20	7.67	3.63	2.25
8 x 2.50	145	2.54	1.75	8.56	3.89	3.75
10 x 2.00	130	1.80	1.20	9.74	4.62	3.20
*10 x 2.75	185	2.54	1.72	10.00	4.58	4.05
12 x 3.00	230	2.90	2.00	12.15	5.74	7.63
16 x 4.00	405	4.07	2.78	15.84	7.05	16.25
MEDIUM SERVICE — (MS)						
6 x 2.00	130	1.80	1.20	6.19	2.87	1.87
HEAVY SERVICE — (HS)						
6 x 2.00	140	1.80	1.20	6.19	2.88	1.38
8 x 2.50	220	2.54	1.75	8.56	3.89	3.38
10 x 2.00	200	1.80	1.20	9.74	4.62	2.44
10 x 2.75	285	2.54	1.72	10.00	4.58	4.25
12 x 3.00	350	2.90	2.00	12.15	5.74	7.13
16 x 4.00	625	4.07	2.78	15.84	7.46	16.57
HEAVY SERVICE TRACTION — (HST)						
16½ x 4.00	625	4.07	2.78	16.41	7.72	19.13
EXTRA HEAVY SERVICE — (EHS)						
8 x 2.00	250	1.80	1.20	7.67	3.52	2.38
EXTRA HEAVY SERVICE TRACTION — (EHST)						
12 x 3.00	540	2.90	2.00	12.15	5.69	9.56
SPECIAL HEAVY SERVICE — (SHS)						
16 x 4.00	925	4.07	2.78	15.84	7.62	20.63

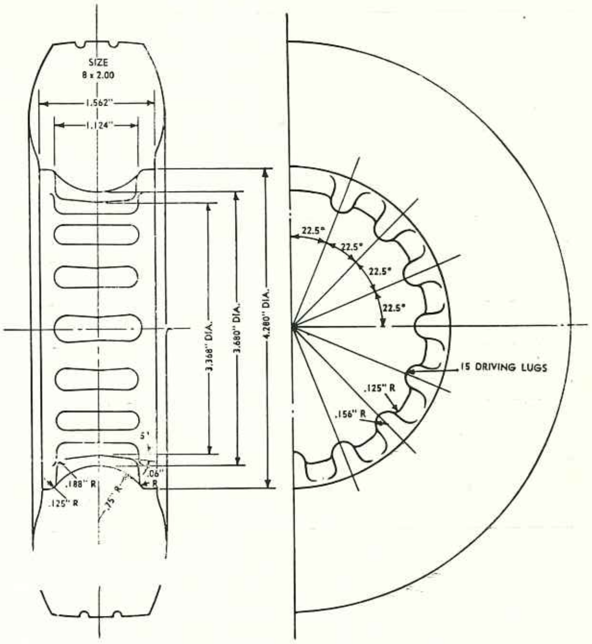
***Interchangeable with single tube lug base industrial pneumatic of same size.**

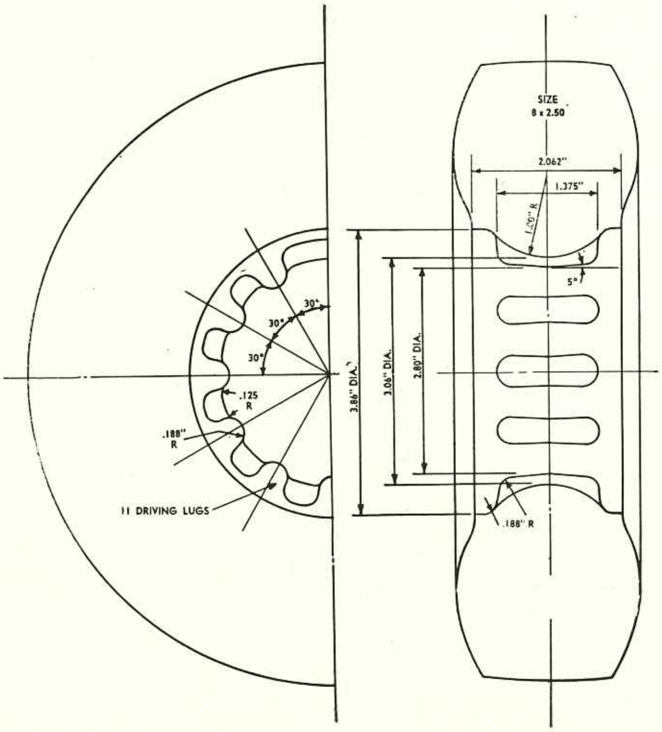
BFG ZERO PRESSURE TIRES

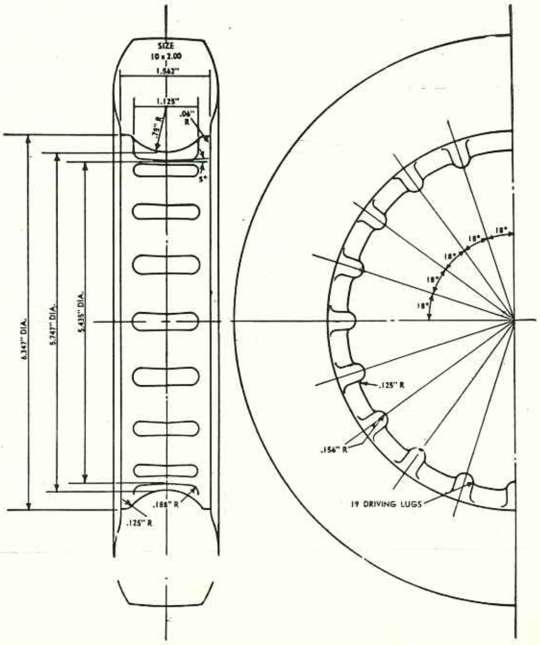
LIGHT, MEDIUM AND HEAVY SERVICE — EXTRA AND SPECIAL HEAVY SERVICE — HEAVY SERVICE TRACTION

LUG DETAIL - SIZES 6x2.00, 8x2.00, 8x2.50 and 10x2.00







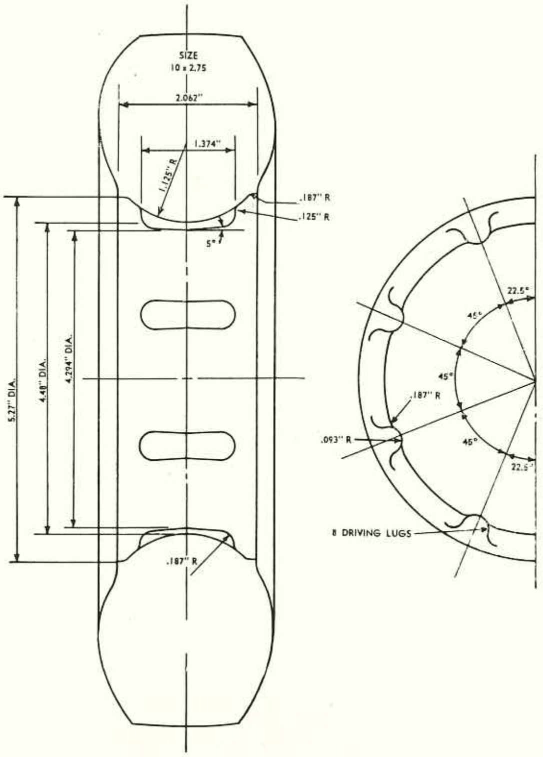


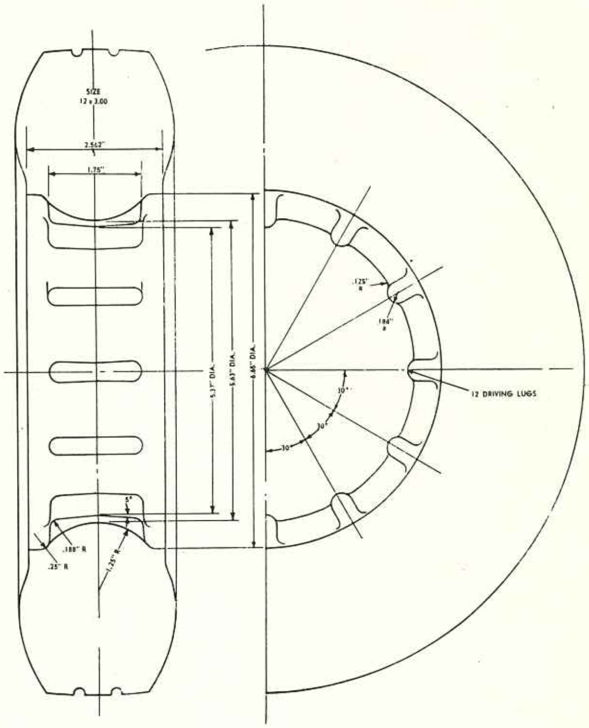
Wheel drawings will be furnished upon request.

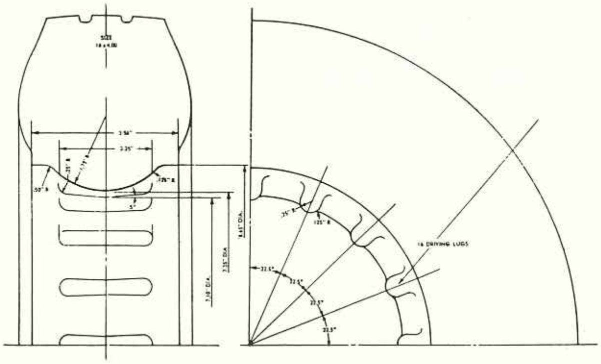
BFG ZERO PRESSURE TIRES

LIGHT, MEDIUM AND HEAVY SERVICE — EXTRA AND SPECIAL HEAVY SERVICE — HEAVY SERVICE TRACTION

LUG DETAILS - SIZES 10x2.75, 12x3.00 and 16x4.00







Wheel drawings will be furnished upon request.

B. F. GOODRICH

PRESSED-ON DELUXE CUSHION INDUSTRIAL TIRES

SMOOTH TREAD

Deluxe Cushion tires were developed to fill the increasing demand for a solid industrial tire which would furnish the best possible combination of economy, cushioning, steering, rolling resistance, long life and traction.

REDUCE MAINTENANCE COST

Shock and vibration which formerly were transmitted directly to the vehicle itself are now absorbed to a greater extent by this type tire. This is particularly true where equipment has to operate off the pavement — such as dock areas, irregular floors, and yards of steel mills and other heavy industry.

GIVE GREATER CUSHIONING

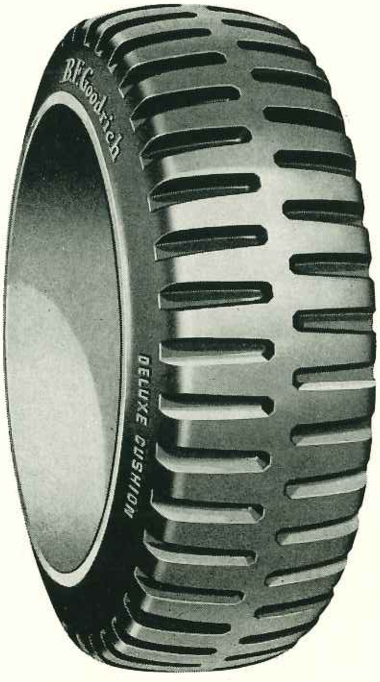
The high profile, thick tread and special rubber compounding give added protections to fragile loads, reduce equipment maintenance, floor wear and driver fatigue. A single compound construction giving excellent cushioning and tread wear for entire thickness of rubber.

ALLOW EASY STEERING

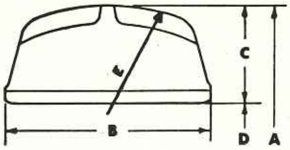
The rounded, higher tread contour adds to the safety of operations because the driver has better control of his vehicle at all times. Rounded tread contour means less contact area; therefore easier roll and better control in going around corners or in use in warehouses and congested areas where space factors are important.

GIVE TOP TRACTION

The non-directional tread and specially compounded rubber give maximum traction for use on drive wheels. Smooth tread is preferable for free rolling wheels.



NON-DIRECTIONAL TREAD



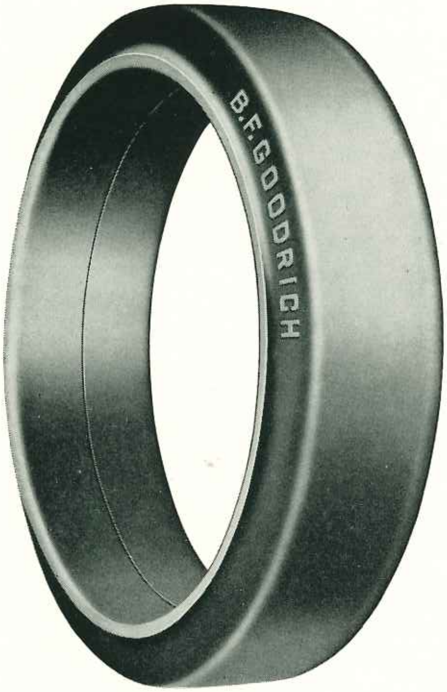
B. F. GOODRICH
PRESSED-ON DELUXE CUSHION INDUSTRIAL TIRE DIMENSIONS

Size of Tire	Tread Design	Tread Radius E	Carrying Capacity *	Loaded Radius	Height C	Width B	Wheel Diameter D +.005 −.000	Outside Diameter A	Approximate Tire Weight Lbs.
13 x 3½ x 8	Sm.	3.00	1240	6.09	2.50	3.50	8.00	13.00	18.75
16¼ x 4 x 11¼	N. D.	3.00	1780	7.70	2.53	4.00	11.25	16.31	27.50
13 x 4½ x 8	N. D.	3.00	1780	6.07	2.52	4.50	8.00	13.06	23.52
14 x 4½ x 8	N. D.	3.00	1860	6.53	2.99	4.50	8.00	13.98	25.75
17 x 4½ x 12⅛	N. D.	3.00	2160	8.03	2.43	4.50	12.12	17.00	33.50
**22 x 4½ x 16	N. D.	3.00	2610	10.37	3.03	4.50	16.00	22.05	46.25
10½ x 5 x 5	N. D.	4.00	1740	4.74	2.75	5.00	5.00	10.50	19.00
15½ x 5 x 10	Sm.	4.00	2330	7.24	2.74	5.00	10.00	15.48	34.50
16¼ x 5 x 11¼	N. D.	4.00	2400	7.64	2.50	5.00	11.25	16.26	35.00
17¾ x 5 x 12⅛	N. D.	4.00	2580	8.39	2.83	5.00	12.12	17.78	39.50
21 x 5 x 15	N. D.	4.00	2930	9.98	3.02	5.00	15.00	21.05	50.50
22 x 5 x 16	N. D.	4.00	3030	10.50	3.03	5.00	16.00	22.05	52.75
15½ x 6 x 10	Sm.	6.25	2980	7.24	2.74	6.00	10.00	15.48	41.25
16¼ x 6 x 11¼	N. D.	6.25	3020	7.71	2.49	6.00	11.25	16.23	41.50
17¾ x 6 x 12⅛	N. D.	6.25	3290	8.33	2.81	6.00	12.12	17.75	47.50
21 x 6 x 15	N. D.	6.25	3740	9.96	3.01	6.00	15.00	21.01	61.00
22 x 6 x 16	N. D.	6.25	3870	10.45	3.02	6.00	16.00	22.04	64.00
16¼ x 7 x 11¼	N. D.	9.25	3640	7.67	2.51	7.00	11.25	16.27	50.00
18 x 7 x 12⅛	Sm.	6.00	4050	8.46	2.93	7.00	12.12	18.00	56.50
18 x 7 x 12⅛	N. D.	9.25	4050	8.42	2.90	7.00	12.12	17.92	56.50
21 x 7 x 15	N. D.	9.25	4550	10.00	3.03	7.00	15.00	21.06	72.25
22 x 7 x 16	N. D.	9.25	4720	10.71	3.03	7.00	16.00	22.06	72.50
**26 x 7 x 20	N. D.	9.25	5330	12.57	3.07	7.00	20.00	26.14	93.75
**18 x 8 x 12⅛	N. D.	12.25	4770	8.57	2.97	8.00	12.12	18.05	66.50
21 x 8 x 15	N. D.	12.25	5360	9.92	2.98	8.00	15.00	20.95	80.00
22 x 8 x 16	N. D.	12.25	5550	10.46	2.99	8.00	16.00	21.98	85.50
23¾ x 8 x 17¾	N. D.	12.25	5880	11.18	2.94	8.00	17.75	23.62	93.50
22 x 9 x 16	N. D.	15.25	6390	10.49	3.04	9.00	16.00	22.08	100.50

*At 10 m.p.h.

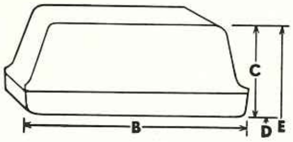
**Available until present stock exhausted.

B. F. GOODRICH
PRESSED-ON INDUSTRIAL SOLIDS



SMOOTH TREAD-FLAT BASE

For use on either traction or force-rolling wheels of power trucks and tractors. Basic savings through use of smooth treads is reduced floor wear. Adaptable to almost any materials handling hauling job. Especially desirable for high lift stability.



B. F. GOODRICH
PRESSED-ON INDUSTRIAL SOLID TIRE DIMENSIONS

SMOOTH TREAD — FLAT BASE

Size of Tire	Carrying Capacity Lbs.	Height C	Width B	Wheel Diameter D +.005–.000″	Outside Diameter E	Approx. Tire Weight Lbs.
† 9 x 2½ x 6	620	1.50	2.50	6.00	9.00	7.0
11 x 2½ x 8	720	1.50	2.50	8.00	11.00	9.0
†34 x 2½ x 30	1629	2.00	2.50	30.00	34.00	41.5
†44 x 2½ x 40	1975	2.00	2.50	40.00	44.00	57.0
†10 x 3 x 6¼	850	1.87	3.00	6.25	10.00	11.6
15 x 3 x 11¼	1150	1.87	3.00	11.25	15.00	19.3
†16 x 3 x 12⅛	1200	1.94	3.00	12.12	16.00	20.3
18 x 3 x 14	1310	2.00	3.00	14.00	18.00	20.4
†24 x 3 x 20	1630	2.00	3.00	20.00	24.00	29.0
†10 x 3½ x 6	960	2.00	3.50	6.00	10.00	12.5
12 x 3½ x 8	1200	2.00	3.50	8.00	12.00	15.6
15 x 3½ x 11¼	1410	1.87	3.50	11.25	15.00	20.8
†16 x 3½ x 12	1480	2.00	3.50	12.00	16.00	22.7
16 x 3½ x 12⅛	1480	1.94	3.50	12.12	16.00	22.8
†20 x 3½ x 16	1750	2.00	3.50	16.00	20.00	29.8
†22 x 3½ x 17¾	1880	1.94	3.50	17.75	21.62	32.6
†28 x 3½ x 24	2250	2.00	3.50	24.00	28.00	42.0
8½ x 4 x 4	1100	2.25	4.00	4.00	8.53	12.5
10 x 4 x 5 7/16	1240	2.28	4.00	5.43	10.00	13.5
10 x 4 x 6½	1180	1.79	4.00	6.50	10.08	14.3
12 x 4 x 8	1420	2.00	4.00	8.00	12.00	19.5
14 x 4 x 10	1600	2.03	4.00	10.00	14.06	22.0
16 x 4 x 12⅛	1770	1.94	4.00	12.12	16.00	26.1
18 x 4 x 14	1930	2.00	4.00	14.00	18.00	28.6
†*20 x 4 x 16	2090	2.00	4.00	16.00	20.00	34.5
22 x 4 x 17¾	2240	1.95	4.00	17.75	21.62	35.6
24 x 4 x 20	2390	2.00	4.00	20.00	24.00	40.3
32 x 4 x 28	2960	2.00	4.00	28.00	32.00	72.6
27¾ x 4¼ x 23½	2890	2.12	4.25	23.50	27.75	51.9
12 x 4½ x 8	1650	2.00	4.50	8.00	12.00	22.8
16 x 4½ x 12	2050	2.00	4.50	12.00	16.00	29.5
22 x 4½ x 17¾	2600	1.94	4.50	17.75	21.62	46.0
9 x 5 x 5	1510	2.00	5.00	5.00	9.00	15.0
*10 x 5 x 6½	1530	1.75	5.00	6.50	10.00	17.8
10½ x 5 x 6½	1690	2.00	5.00	6.50	10.50	18.9
*15 x 5 x 11¼	2210	1.87	5.00	11.25	15.00	30.1
17 x 5 x 12⅛	2480	2.44	5.00	12.12	17.00	35.4
18 x 5 x 14	2540	2.00	5.00	14.00	18.00	36.1
*20 x 5 x 16	2750	2.00	5.00	16.00	20.00	41.4
†24 x 5 x 18	3230	3.00	5.00	18.00	24.00	61.9
†24 x 5 x 20	3150	2.00	5.00	20.00	24.00	68.0
†29 x 5 x 23½	3830	2.75	5.00	23.50	29.00	74.0
†32 x 5 x 28	3910	1.96	5.00	28.00	31.93	91.3
10 x 6 x 6¼	2030	1.87	6.00	6.25	10.00	21.1
10½ x 6 x 6½	2100	2.00	6.00	6.50	10.50	23.2
*15 x 6 x 11¼	2750	1.94	6.00	11.25	15.12	35.7
17 x 6 x 12⅛	3120	2.44	6.00	12.12	17.00	43.8
*20 x 6 x 16	3410	2.00	6.00	16.00	20.00	50.3
22 x 6 x 17¾	3670	1.94	6.00	17.75	21.62	55.3
10 x 7 x 6¼	2430	1.93	7.00	6.25	10.12	25.4
†10½ x 7 x 6½	2510	2.00	7.00	6.50	10.50	26.6
15 x 7 x 11¼	3290	1.87	7.00	11.25	15.00	42.1
17 x 7 x 12⅛	3770	2.44	7.00	12.12	17.00	52.0
18 x 7 x 12⅛	3920	2.93	7.00	12.13	18.00	60.0
18 x 7 x 14	3770	2.08	7.00	14.00	18.13	53.3
*20 x 7 x 16	4080	2.00	7.00	16.00	20.00	61.5
22 x 7 x 17¾	4380	1.94	7.00	17.75	21.62	64.8
†24 x 7 x 20	4680	2.00	7.00	20.00	24.00	74.9
28 x 7 x 23½	5470	2.25	7.00	23.50	28.00	95.6

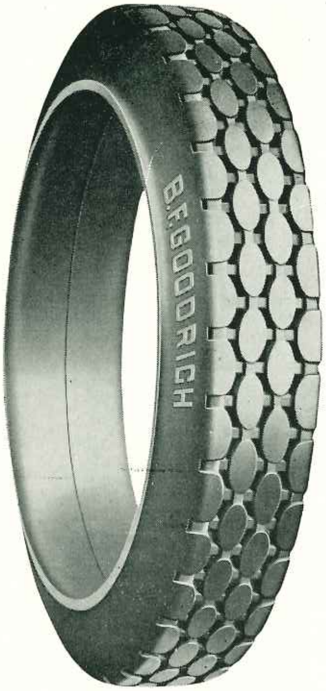
Carrying capacity shown for maximum speed of 10 miles per hour. For speeds from 10 to 22 miles per hour the carrying capacities must be reduced 20%. Maximum speed recommended — 22 miles per hour.

***Also available in non-skid tread.**

†Available until present stock exhausted.

B. F. GOODRICH

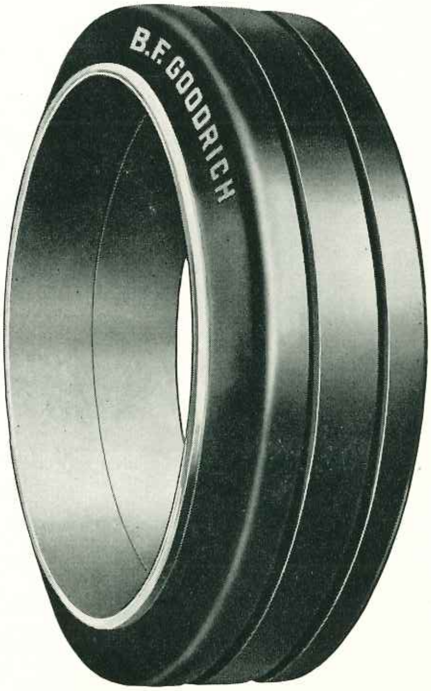
PRESSED-ON SOLID INDUSTRIAL TIRES



SAFETY TREAD

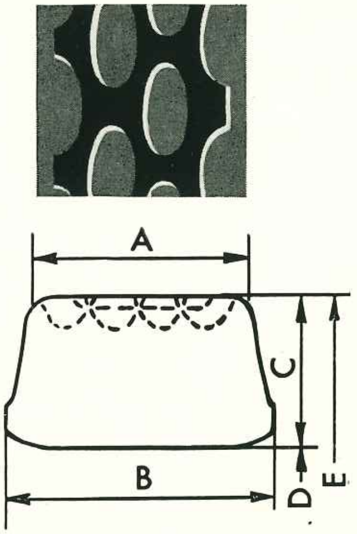
This B. F. Goodrich Industrial Tire is designed to meet power truck and tractor requirements under operating conditions where extra and unusual traction is required.

B. F. Goodrich Grooved Tread Solid Truck Tires are used principally on Fork and Ram Trucks. The circumferential grooves in the tread are designed for improved steering and long wear.



GROOVED TREAD

B. F. GOODRICH PRESSED-ON SOLID TIRE DIMENSIONS
SAFETY TREAD



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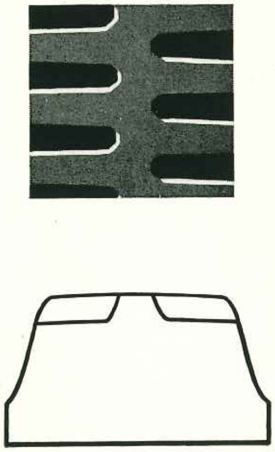


TYPE 5

Tire Size	Type	Carrying Capacity Lbs.	Height C	Width B	Wheel Diameter D +.005″ −.000″	Outside Diameter E	Weight Lbs.
*20 x 4 x 16	5	2090	2.00	4.00	16.00	20.00	34.3
9½ x 5 x 5	5	1570	2.12	5.00	5.00	9.25	16.2
*10 x 5 x 6½	5	1530	1.75	5.00	6.50	10.00	18.1
*15 x 5 x 11¼	5	2210	1.87	5.00	11.25	15.00	30.0
*20 x 5 x 16	5	2750	2.00	5.00	16.00	20.00	43.8
*15 x 6 x 11¼	5	2750	1.87	6.00	11.25	15.00	36.2
*20 x 6 x 16	5	3410	2.00	6.00	16.00	20.00	52.4
*15 x 7 x 11¼	2	3290	1.87	7.00	11.25	15.00	46.0
*20 x 7 x 16	5	4080	2.00	7.00	16.00	20.00	59.0
22 x 8 x 17¾	5	5090	2.23	8.00	17.75	22.21	87.75

*Also available in Smooth Tread — Trailer-Type.

GROOVED TREAD — FLAT BASE

Size of Tire	Carrying Capacity Lbs.	Height C	Width B	Wheel Diameter D +.005″ —.000″	Outside Diameter E	Approx. Weight Lbs.
15 x 8 x 11¼	3820	2.24	8.00	11.25	15.72	56.3
20 x 8 x 16	5020	2.23	8.00	16.00	20.46	73.3
22 x 8 x 16	5550	3.25	8.00	16.00	22.50	93.0
22 x 8 x 17¾	5090	2.23	8.00	17.75	22.21	80.3
†15 x 9 x 11¼	4750	2.24	9.00	11.25	15.72	59.2
20 x 9 x 16	5820	2.23	9.00	16.00	20.46	84.2
†15 x 10 x 11¼	5360	2.24	10.00	11.25	15.72	64.1
22 x 10 x 16	7420	3.36	10.00	16.00	22.71	112.1
22 x 10 x 17¾	6920	2.23	10.00	17.75	22.21	97.7
18 x 12 x 14	6820	2.00	12.00	14.00	18.00	102.0
22 x 12 x 16	9420	3.36	12.00	16.00	22.71	149.3
†36 x 12 x 30	12900	3.00	12.00	30.00	36.00	242.00
22 x 14 x 16	11250	3.36	14.00	16.00	22.71	187.9
22 x 16 x 16	12750	3.10	16.00	16.00	22.20	182.6
36 x 16 x 30	17700	3.00	16.00	30.00	36.00	322.50

Carrying capacities shown are for maximum speed of 10 miles per hour. For speeds from 10 to 22 miles per hour these carrying capacities must be reduced 20%. Maximum speed recommended — 22 miles per hour.

†Available until present stock exhausted.

B. F. GOODRICH VULCANIZED-ON TIRES

FOR CUSTOMER FURNISHED WHEELS OR COMPLETE TIRE AND WHEEL ASSEMBLIES

VULCANIZED-ON SOLID TIRE AND WHEEL ASSEMBLY

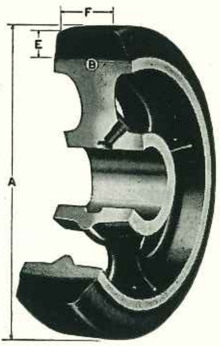
B. F. Goodrich Vulcanized-on Industrial tires are vulcanized to a metal wheel — making a rigid, one-piece unit. They are designed and built for use on hand trucks, trailers, push carts, wagons and all other types of light hauling equipment.

WHEEL CONSTRUCTION

1. High quality gray metal castings.
2. Anti-friction bearings for smooth, easy rolling.
3. Special washers which protect bearings against damage from shock or bumping.
4. Pressure bearing lubrication.
5. Rust-corrosion — proof finish.

ADVANTAGES

Easy Starting, Rolling, Stopping . . . Better Cushioning . . . Ample Load Carrying Ability . . . Less Noise, Floor Wear, Operator Fatigue . . . Greater Safety . . . Decreased Equipment Maintenance . . . Long, Economical Life.



B. F. GOODRICH

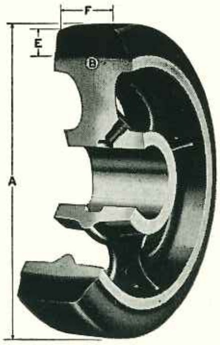
VULCANIZED-ON SOLID TIRES
CUSTOMER-FURNISHED WHEELS

MAXIMUM SPEED RECOMMENDED: 8 MILES PER HOUR

FOR WHEEL DIMENSIONS, SEE PAGES 19-20

Tire Size	Carrying Capacity Lbs.	Tire Diameter A	Rubber Sectional Height E	Tire Base Width B
4 x 1½	170	4.02	0.62	1.50
5 x 1½	200	5.02	0.63	1.50
† 6 x 1½	230	6.02	0.63	1.50
6 x 1⅝	250	6.03	0.76	1.62
6 x 1¾	280	6.02	0.70	1.75
7 x 1¾	320	7.03	0.76	1.75
5 x 1⅞	270	5.03	0.75	1.87
6 x 2	340	6.03	0.89	2.00
7 x 2	380	7.03	0.89	2.00
8 x 2	420	8.03	0.89	2.00
9 x 2	460	9.03	0.89	2.00
† 7 x 2⅛	410	7.04	0.89	2.12
6 x 2¼	390	6.42	0.90	2.25
6½ x 2¼	420	6.42	0.90	2.25
† 7 x 2¼	440	7.03	0.70	2.25
4 x 2½	310	4.05	0.65	2.50
6 x 2½	450	6.09	0.76	2.50
7 x 2½	510	7.02	0.82	2.50
8 x 2½	560	8.03	0.89	2.50
9 x 2½	610	9.05	0.90	2.50
10 x 2½	660	10.05	1.02	2.50
11 x 2½	710	11.05	1.02	2.50
12 x 2½	750	12.03	1.00	2.50
14 x 2½	850	14.05	1.02	2.50
16 x 2½	940	16.05	1.02	2.50
18 x 2½	1030	18.05	1.02	2.50
† 6 x 2¾	510	6.05	1.02	2.75
† 7 x 2¾	570	7.05	1.02	2.75
6 x 3	570	6.06	1.03	3.00
7 x 3	640	7.06	1.03	3.00
8 x 3	700	8.12	1.03	3.00
9 x 3	770	9.04	1.03	3.00
10 x 3	830	10.06	1.03	3.00
11 x 3	890	11.06	1.03	3.00
12 x 3	950	12.06	1.03	3.00
14 x 3	1070	14.06	1.03	3.00
16 x 3	1180	16.03	1.01	3.00
18 x 3	1290	18.06	1.03	3.00
20 x 3	1400	20.06	1.03	3.00
24 x 3	1600	24.06	1.03	3.00
12 x 3½	1140	12.05	1.02	3.50
14 x 3½	1290	14.05	1.03	3.50
†18 x 3½	1550	18.07	1.04	3.50

†Considered for discontinuance due to lack of volume.



B. F. GOODRICH

VULCANIZED-ON SOLID TIRES

CUSTOMER-FURNISHED WHEELS

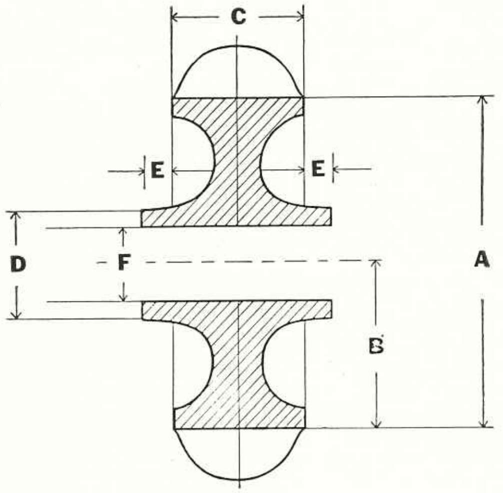
MAXIMUM SPEED RECOMMENDED: 8 MILES PER HOUR

Tire Size	Carrying Capacity Lbs.	Tire Diameter A	Rubber Sectional Height E	Tire Base Width B
5¾ x 4	660	5.83	0.50	4.00
6 x 4	750	6.09	0.79	4.00
† 6½ x 4	800	6.58	0.73	4.00
7 x 4	890	7.09	1.04	4.00
9 x 4	1080	9.09	1.04	4.00
10 x 4	1170	10.09	1.04	4.00
11 x 4	1260	11.08	1.04	4.00
12 x 4	1330	12.06	1.03	4.00
†14 x 4	1510	14.06	1.00	4.00
16 x 4	1660	16.08	1.00	4.00
28 x 4	2540	28.09	1.44	4.00
5½ x 4½	850	5.57	0.88	4.50
6 x 4½	910	6.07	0.88	4.50
6½ x 4½	970	6.59	1.04	4.50
8 x 4½	1130	8.05	1.26	4.50
5½ x 5	960	5.60	0.98	5.00
6 x 5	1020	6.10	0.80	5.00
6½ x 5	1090	6.59	1.05	5.00
7 x 5	1150	7.11	1.06	5.00
8 x 5	1270	8.10	1.30	5.00
9 x 5	1390	9.11	1.06	5.00
10 x 5	1500	10.11	1.06	5.00
11 x 5	1620	11.11	1.06	5.00
16 x 5	2140	16.08	1.00	5.00
18 x 5	2330	18.61	1.05	5.00
6 x 6	1250	6.14	1.07	6.00
7 x 6	1410	7.14	1.07	6.00
9 x 6	1700	9.14	1.07	6.00
†10 x 6	1840	10.14	1.07	6.00
11 x 6	1980	11.14	1.07	6.00

†Considered for discontinuance due to lack of volume.

B. F. GOODRICH VULCANIZED-ON TIRES

CUSTOMER'S WHEEL SPECIFICATIONS



1. OUTSIDE DIAMETER "A" is measured at a point 1/16″ in from BOTH edges of wheel face.

   To measure diameter, add hub bore diameter "F" to twice the maximum distance from inside hub bore surface to outside of wheel face.

2. WHEEL FACE "C" is to be a smooth cast or unfinished, closed surface, without grooves or serrations, mold flash or sharp projections. The correct width is to be present all around wheel.

3. HUB BORE "F". For each customer's individual designs, the central hub bore diameter "F" is to be a fixed dimension with the tolerance plus .005 and minus .000.

   For Hub Bores of 1″ or less, refer prints of wheels to Akron for approval prior to production.

4. HUB EXTENSION "E." For starred dimensions (★) longer extensions can be accommodated in some cases. Refer prints to Akron for checking.

5. Condition of wheels for shipment to Akron:
   - a. Bearings, washers or other extra parts are not to be shipped with wheels.
   - b. Wheels are to be shipped in clean condition — free from oil, grease, paint or dirt. Presence of rust is not detrimental to tire manufacturer's process.
   - c. Small holes for cover plates, etc., should not be drilled and tapped prior to operation of tire manufacture.

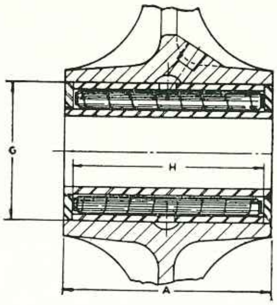
WHEEL DIMENSIONS

Tire Size	Wheel Outside Dia. A Plus .000 Minus .125	Wheel Outside Rad. B Plus .000 Minus .062	Wheel Face Width C Plus .000 Minus .047	Max. Hub Outside Dia. D	Max. Hub Extension E
4 x 1½	2.780	1.390	1.500	2.25	.484
5 x 1½	3.750	1.875	1.500	3.25	.375
6 x 1½	4.750	2.375	1.500	3.75	.375
6 x 1⅝	4.500	2.250	1.625	3.50	.620
6 x 1¾	4.625	2.312	1.750	3.37	.370★
7 x 1¾	5.500	2.750	1.750	4.50	.750★
5 x 1⅞	3.530	1.765	1.875	2.75	.375
6 x 2	4.250	2.125	2.000	3.68	1.250
7 x 2	5.250	2.625	2.000	4.00	.500
8 x 2	6.250	3.125	2.000	4.00	1.000★
9 x 2	7.250	3.625	2.000	4.12	.812
7 x 2⅛	5.250	2.625	2.125	4.00	.375

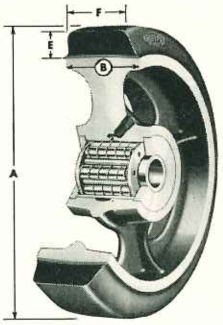
WHEEL DIMENSIONS (Cont.)

Tire Size	Wheel Outside Dia. A Plus .000 Minus .125	Wheel Outside Rad. B Plus .000 Minus .062	Wheel Face Width C Plus .000 Minus .031	Max. Hub Outside Dia. D	Max. Hub Extension E
6 x 2¼	4.625	2.312	2.250	3.50	.562
6½ x 2¼	4.625	2.312	2.250	3.00	.625
7 x 2¼	5.625	2.812	2.250	4.62	1.000
4 x 2½	2.75	1.375	2.500	2.125	.875
6 x 2½	4.562	2.281	2.500	3.68	.625
7 x 2½	5.375	2.687	2.500	4.00	.625
8 x 2½	6.250	3.125	2.500	4.00	.562
9 x 2½	7.250	3.625	2.500	4.50	.437
10 x 2½	8.000	4.000	2.500	4.50	.625★
11 x 2½	9.000	4.500	2.500	4.50	.500
12 x 2½	10.030	5.015	2.500	5.25	.530
14 x 2½	12.000	6.000	2.500	5.00	1.000★
16 x 2½	14.000	7.000	2.500	8.25	1.000★
18 x 2½	16.000	8.000	2.500	11.50	1.062★
6 x 2¾	4.000	2.000	2.750	3.00	.625
7 x 2¾	5.000	2.500	2.750	4.00	.375
6 x 3	4.000	2.000	3.000	3.50	.875
7 x 3	5.000	2.500	3.000	4.50	.875
8 x 3	6.063	3.031	3.000	5.00	.375★
9 x 3	7.000	3.500	3.000	4.00	.375★
10 x 3	8.156	4.078	3.000	4.00	.437
11 x 3	9.000	4.500	3.000	5.50	.875
12 x 3	10.000	5.000	3.000	5.00	.500★
14 x 3	12.000	6.000	3.000	5.00	1.125★
16 x 3	14.000	7.000	3.000	5.00	.625
18 x 3	16.000	8.000	3.000	5.00	.875★
20 x 3	18.000	9.000	3.000	6.50	2.000★
24 x 3	22.000	11.000	3.000	5.00	2.000
12 x 3½	10.156	5.078	3.500	4.50	.562
18 x 3½	16.000	8.000	3.500	4.50	.625
5¾ x 4	4.750	2.375	4.000	0.00	.000
6 x 4	4.500	2.250	4.000	0.00	.000★
7 x 4	5.000	2.500	4.000	0.00	.000★
9 x 4	7.000	3.500	4.000	0.00	.000★
10 x 4	8.000	4.000	4.000	4.50	.375
11 x 4	9.000	4.500	4.000	4.00	.625
12 x 4	10.010	5.005	4.000	6.00	.812
14 x 4	12.000	6.000	4.000	5.00	.375★
16 x 4	14.000	7.000	4.000	6.50	1.062
28 x 4	26.000	13.000	4.000	20.18	1.312★
5½ x 4½	3.812	1.906	4.500	0.00	.000
6 x 4½	4.344	2.172	4.500	0.00	.000
6½ x 4½	4.500	2.250	4.500	0.00	.000
8 x 4½	5.660	2.830	4.500	4.562	1.187★
5½ x 5	3.625	1.812	5.000	0.000	.000
6 x 5	4.50	2.250	5.000	0.00	.000★
6½ x 5	4.50	2.250	5.000	0.00	.000
7 x 5	5.000	2.500	5.000	4.00	.437
8 x 5	5.500	2.750	5.000	0.00	.000
9 x 5	7.000	3.500	5.000	0.00	.000★
10 x 5	8.000	4.000	5.000	4.75	.375★
11 x 5	9.000	4.500	5.000	0.00	.000★
16 x 5	14.000	7.000	5.000	0.00	.000★
18 x 5	16.000	8.000	5.000	6.50	.875
6 x 6	4.000	2.000	6.000	0.00	.000★
7 x 6	5.000	2.500	6.000	0.00	.000★
9 x 6	7.000	3.500	6.000	0.00	.000★
10 x 6	8.000	4.000	6.000	0.00	.000★
11 x 6	9.000	4.500	6.000	4.25	.250

★ See note 4 page 17.



B. F. GOODRICH VULCANIZED-ON TIRE AND WHEEL ASSEMBLIES



For tire dimensions see Pages 15 and 16

Size	Assembly Number	HUB		Axle Diameter +.000 —.002	BEARING		Carrying Capacity Lbs.
		Length ±.025 A	Bore +.005 —.000 G		Length ±.016 H	Part Number	
4x1½	4150†	1.750	1.062	.500	1.500	HP94124	170
	4151†	1.750	1.062	.625	1.500	HP93224	
5x1½	5150	2.000	1.062	.500	1.500	HP94124	200
	5151	2.000	1.062	.625	1.500	HP93224	
6x1¾	61752†	2.000	1.437	.750	1.500	HP95324	280
	61754†	2.000	1.437	1.000	1.500	HP93524	
6x2	620	2.250	1.062	.500	2.000	HP94132	340
	621	2.250	1.062	.625	2.000	HP93232	
	622	2.250	1.437	.750	2.000	HP95332	
	624	2.250	1.437	1.000	2.000	HP93532	
6x3	632	3.000	1.437	.750	2.500	HP95340	570
	633	3.000	1.437	.875	2.500	HP94440	
	634	3.000	1.437	1.000	2.500	HP93540	
7x1¾	71752†	2.000	1.437	.750	1.500	HP95324	320
7x2	722	2.000	1.437	.750	1.500	HP95324	380
	724	2.000	1.437	1.000	1.500	HP93524	
7x3	732	3.000	1.437	.750	2.500	HP95340	640
	734	3.000	1.437	1.000	2.500	HP93540	
8x2½	8252	2.500	1.437	.750	2.000	HP95332	560
	8253	2.500	1.437	.875	2.000	HP94432	
	8254	2.500	1.437	1.000	2.000	HP93532	
	8255	2.500	1.937	1.125	2.000	PA95632	
	8257	2.500	1.937	1.250	2.000	HPA94732	
9x2	923	2.250	1.437	.875	2.000	HP94432	460
	924	2.250	1.437	1.000	2.000	HP93532	
	927	2.250	1.937	1.250	2.000	HPA94732	
9x2½	9252	2.500	1.437	.750	2.000	HP95332	610
	9253	2.500	1.437	.875	2.000	HP94432	
	9254	2.500	1.437	1.000	2.000	HP93532	
9x3	933	3.000	1.437	.875	2.500	HP94440	770
	934	3.000	1.437	1.000	2.500	HP93540	
10x2½	10254	2.500	1.937	1.000	2.000	18125	660
	10255	2.500	1.937	1.125	2.000	PA95632	
	10257	2.500	1.937	1.250	2.000	HPA94732	

Size	Assembly Number	HUB		Axle Diameter +.000 —.002	BEARING		Carrying Capacity Lbs.
		Length ±.025 A	Bore +.005 —.000 G		Length ±.016 H	Part Number	
10x3	1034	3.250	1.937	1.000	3.000	18130	830
	1037	3.250	1.937	1.250	3.000	PA94748	
11x2½	11254	2.750	1.937	1.000	2.500	18127	710
	11255	2.750	1.937	1.125	2.500	PA95640	
	11257	2.750	1.937	1.250	2.500	PA94740	
12x2½	12254	2.750	1.937	1.000	2.500	18127	750
	12255	2.750	1.937	1.125	2.500	PA95640	
	12257	2.750	1.937	1.250	2.500	PA94740	
12x3	1234	3.000	1.937	1.000	2.500	18127	950
	1235	3.000	1.937	1.125	2.500	PA95640	
	1237	3.000	1.937	1.250	2.500	PA94740	
12x3½	12354	4.250	2.188	1.000	4.000	19135	1140
	12357	4.250	2.188	1.250	4.000	18199	
12x4	1247	4.500	3.188	1.250	4.000	49280	1330
	1248	4.500	3.188	1.500	4.000	49280	
14x3	1434	3.500	2.313	1.000	3.000	16168*	1070
	1437	3.500	2.313	1.250	3.000	16168*	
16x3	1634	3.500	2.313	1.000	3.000	16168*	1180
	1637	3.500	2.313	1.250	3.000	16168*	
	1631	7.000	1.187	.625	1.500	HP94224	
	1632	7.000	1.187	.750	1.500	HP93324	
16x4	1648	4.500	3.188	1.500	4.000	49280	1660
	1649	4.500	3.188	1.625	4.000	49305	
16x5	16511	5.500	4.000	2.000	5.000	49430	2140
18x2½	18254	3.500	2.313	1.000	3.000	16168*	1030
	18257	3.500	2.313	1.250	3.000	16168*	
18x3	1834	3.500	2.313	1.000	3.000	16168*	1290
	1837	3.500	2.313	1.250	3.000	16168*	
18x5	18510	5.500	4.000	1.750	5.000	49430	2330
	18511	5.500	4.000	2.000	5.000	49430	
20x3	2038	3.500	3.188	1.500	3.000	49275	1400
	2039	3.500	3.188	1.750	3.000	19354‡	

GREASE FITTING
Type "A" Connection No. 1610
†Type "B" Connection No. 1608

*RBC No. 18153 Alternate
‡Supplied by RBC

SPECIFICATIONS SUBJECT TO CHANGE

B. F. GOODRICH
INDUSTRIAL SOLID TIRES

TYPE	COMPOUND	RECOMMENDED USES	CODE	
			Color	Sample
All Vulcanized-On Solid tires	Roller*	On all units requiring Vulcanized-On tires.	White	Roller
All Pressed-On Solid tires (regular or high profile)	EITHER (1) EZ OR (2) UN	(1) Especially desirable on units where low power tires are essential. (2) For units requiring long-wearing tires with special resistance to cutting and chipping. Resists flat spotting where units must be stored under load under unusual cold. Has slightly greater power consumption than EZ.	(1) Blue (2) Red	EZ UN
All Pressed-On and Vulcanized-On Oilproof tires	Oil-proof	Where tires are used in service requiring resistance to oil and grease.	Yellow	OR
Military Solids, Vulcanized-On and Pressed-On tires — all sizes	Special low temperature stock #23167	When specifically requested based on test No. 92-3369.	Yellow Blue	L.T.92-3369 PCR

*On some types of materials handling units, vulcanized-on type tires are being used on drive wheels. For this application either EZ or UN pressed-on tire compounds should be used as indicated below for best performance.